L Number	Hits	Search Text	DB	Time stamp
-	3	"luo, huitao".in.	USPAT;	2003/11/06 09:05
		ido) ridido ini.	US-PGPUB	
1.	1	"rubberband function"	USPAT;	2003/10/16 17:00
	•	Tabberbaria fariotion	US-PGPUB	2000,10,10 17.00
1_	5	"rubber band function"	USPAT;	2003/10/16 17:00
	,		US-PGPUB	2003/10/10 17.00
	37	"contour recognition"	USPAT;	2003/11/04 16:54
1 -	3,	contour recognition	US-PGPUB	2003/11/04 10.34
	230	"contour dataction"		2002/11/05 12:22
-	230	"contour detection"	USPAT;	2003/11/05 12:23
1	050	Hadaa dabaakkan Haardaan kan m	US-PGPUB	2002/44/05 42.44
-	858	"edge detection" and contour	USPAT;	2003/11/05 13:41
	7.0	Multiple at a contract	US-PGPUB	2002/44/05 44-50
-	76	"distortion criterion"	USPAT;	2003/11/05 14:59
		(UATA CTEN L NEGE 44 000 L NEGA 0000 L NEGA 46E 4N) DAL	US-PGPUB	0000/11/05 11 50
<del>-</del>	4	("4748675"   "5054103"   "5510838"   "5644654").PN.	USPAT	2003/11/05 14:59
-	7	5774595.URPN.	USPAT	2003/11/05 14:59
-	9	("4853971"   "5131058"   "5675669"   "5764808"	USPAT	2003/11/05 15:01
		"5774595"   "5793893"   "5838829"   "5870501"		
		"5881183").PN.		
-	18	("3268864"   "3890596"   "4110736"   "4115806"	USPAT	2003/11/05 15:01
		"4206441"   "4327354"   "4334274"   "4425559"		
		"4545070"   "4550434"   "4555801"   "4594673"	1	
		"4603431"   "4626838"   "4631690"   "4646078"	1	
		"4698779"   "4736443").PN.		
-	40	"contour approximation"	USPAT;	2003/11/05 15:28
			US-PGPUB	
-	935	("edge detection" or "boundary detection") and contour	USPAT;	2003/11/05 15:35
			US-PGPUB	
-	97	("edge detection" or "boundary detection") and contour and	USPAT;	2003/11/05 15:38
		(345/\$.ccls. or 382/\$.ccls)	US-PGPUB	
-	478	("edge detection" or "boundary detection") and contour and	USPAT;	2003/11/05 16:25
		(345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	, ,
-	67	("edge detection" or "boundary detection") and contour and	USPAT;	2003/11/05 16:28
		vertices and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	, ==, = = ====
-	18	("edge detection" or "boundary detection") same contour	USPAT;	2003/11/20 15:59
		and vertices and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	, , == == :
-	23	("edge detection" or "boundary detection") same contour	USPAT;	2003/11/05 16:47
		and vertices and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	, ,
-	184		USPAT;	2003/11/20 12:54
]			US-PGPUB	
1-	116	contour with vertices and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/05 16:54
		\(\frac{1}{2}\frac{1}{4}\frac{1}{2}\frac{1}{4}\frac{1}{2}\frac{1}{2}\frac{1}{4}\frac{1}{2}\frac{1}{2}\frac{1}{4}\frac{1}{2}\frac{1}{	US-PGPUB	
-	116	contour with vertices and (345/\$.ccls. or 382/\$.ccls.) and	USPAT;	2003/11/05 16:54
		contour and vertices	US-PGPUB	
1-	653	345/619.ccls.	USPAT;	2003/11/06 09:07
		,	US-PGPUB	,,
-	71	345/619.ccls. and contour	USPAT;	2003/11/06 09:11
	<b>,                                    </b>		US-PGPUB;	
			EPO; JPO	
-	499	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 14:12
	.55	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
		vertices)	EPO; JPO	
	458	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/06 10:36
]	,50	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	2303/11/00 10:30
		vertices) and @ad<=20020114	EPO; JPO	1
	212	(boundary or edge or contour) adj (approximation or	USPAT;	2003/11/12 13:52
	212	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	2003/11/12 13.32
		vertices) and @ad<=20020114	EPO; JPO	
_	114	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/06 10:40
	114	detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	US-PGPUB;	2003/11/00 10.70
[		(vertex or vertices) and @ad<=20020114	EPO; JPO	
L		TACITON OF ACTUCES AUTO MANY - SONSOTTA	ברט, שיט	I

•	60	(boundary or edge or contour) with (approximation or detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	USPAT; US-PGPUB;	2003/11/06 10:43
			EPO; JPO	
	] _ ,	(vertex or vertices) and width and @ad<=20020114	•	2003/11/06 11:07
-	7	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/06 11:07
		detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	US-PGPUB;	
		(vertex or vertices) and (rectangle same width) and	EPO; JPO	
	12	@ad<=20020114	LICDAT.	2002/44/06 44.42
-	12	(boundary or edge or contour) same (approximation or	USPAT;	2003/11/06 11:12
		detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient and	US-PGPUB;	
		(vertex or vertices) and (rectangle same width) and	EPO; JPO	
		@ad<=20020114	LICOAT	2002/44/06 44 42
-	47	(boundary or edge or contour) same (approximation or	USPAT;	2003/11/06 11:12
1		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
		vertices) and (rectangle same width) and @ad<=20020114	EPO; JPO	2002/44/42 42 52
<del>-</del>	920	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 13:53
		detection) and (345/\$.ccls. or 382/\$.ccls.) and gradient	US-PGPUB;	
			EPO; JPO	
-	114	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 14:32
1		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
		vertices) and gradient and @ad<=20020114	EPO; JPO	
1 -	8	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 14:58
1		detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
1	ا	vertices) and (gradient with shortest) and @ad<=20020114	EPO; JPO	
-	3	"weighted acyclic graph"	USPAT;	2003/11/12 14:36
			US-PGPUB;	
	_		EPO; JPO	
-	18	(boundary or edge or contour) with (approximation or	USPAT;	2003/11/12 17:06
	:	detection) and (345/\$.ccls. or 382/\$.ccls.) and (vertex or	US-PGPUB;	
	]	vertices) and (gradient with (shortest or least)) and	EPO; JPO	
		@ad<=20020114		
-	19	curvature with distance with vertices	USPAT;	2003/11/12 17:06
			US-PGPUB;	
			EPO; JPO	2002/14/12 16 14
-	803	"acyclic graph"	USPAT;	2003/11/13 16:11
			US-PGPUB	2002/44/42 46 42
-	221	"acyclic graph" and (weight or weighted)	USPAT;	2003/11/13 16:12
	61	llagualia aranhii and (waisht ar waishtad) and imaga	US-PGPUB	2002/11/12 16:22
-	61	"acyclic graph" and (weight or weighted) and image	USPAT; US-PGPUB	2003/11/13 16:23
	202	"agiclic graph" and (contour or odgo or houndani)		2003/11/13 16:25
-	392	"acyclic graph" and (contour or edge or boundary)	USPAT;	2003/11/13 10.23
·_	100	"acyclic graph" same(contour or edge or boundary)	US-PGPUB USPAT;	2003/11/13 16:46
1	100	acyclic graph same(contour or edge or boundary)	US-PGPUB	2003/11/13 10:40
<b> </b> _	201	contour and "shortest path"	USPAT;	2003/11/13 16:47
	201	contour una snortest paur	US-PGPUB	2003/11/13 10.4/
l _	22	contour same "shortest path"	USPAT;	2003/11/13 16:49
_	22	contour same shortest paur	US-PGPUB	2003/11/13 10.79
-	333	"shortest path" same (edge or boundary or contour)	USPAT;	2003/11/13 16:50
	333	Shortest paur same (eage of boundary of contour)	US-PGPUB	2003/11/13 10.30
-	24	"shortest path" same (edge or boundary or contour) and	USPAT;	2003/11/13 16:50
		graph and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	2003/11/13 10.30
-	396	"scale parameter"	USPAT;	2003/11/17 13:45
	350	osaio parameter	US-PGPUB	
-	139	"scale parameter" and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/17 13:46
	135	State parameter and (S 13/4.0005. Or 302/4.0005.)	US-PGPUB	2000/11/17 15:70
-	38	"scale parameter" and (345/\$.ccls. or 382/\$.ccls.) and	USPAT;	2003/11/17 13:47
	50		US-PGPUB	
l	6	("scale parameter" same variance) and (345/\$.ccls. or	USPAT;	2003/11/17 13:58
1		382/\$.ccls.)	US-PGPUB	
-	5	("scale parameter" same gradient) and (345/\$.ccls. or	USPAT;	2003/11/17 13:58
		382/\$.ccls.)	US-PGPUB	
l -	7	("scale parameter" same gradient) and (345/\$.ccls. or	USPAT;	2003/11/17 13:58
		382/\$.ccls.)	US-PGPUB	

Search History 11/26/03 2:48:50 PM Page 2

	10	and with detecting with contain	USPAT;	2003/11/17 16:16
-	18	code with detecting with contour	US-PGPUB	2003/11/17 16:16
	4.4	and with detecting with contour and (245/ft calc. or	USPAT;	2003/11/17 16:17
•	11	code with detecting with contour and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	2003/11/17 16:17
	24	gradient and "shortest path" and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/19 12:47
-	34	gradient and shortest paul and (345/\$.ccis. of 362/\$.ccis.)	US-PGPUB	2003/11/19 12.47
	2	gradient with "shortest path" and (345/\$.ccls. or	USPAT;	2003/11/19 13:00
-		382/\$.ccls.)	US-PGPUB	2003/11/13 13.00
	8	gradient same "shortest path" and (345/\$.ccls. or	USPAT;	2003/11/19 13:01
	١	382/\$.ccls.)	US-PGPUB	2003/11/13 13:01
_	359	gradient with (shortest or least) and (345/\$.ccls. or	USPAT;	2003/11/19 13:01
	333	382/\$.ccls.)	US-PGPUB	2000, 22, 23, 20, 02
_	285	(edge or boundary) and gradient with (shortest or least) and	USPAT;	2003/11/19 13:05
		(345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	6	gradient with neighborhood with size and (345/\$.ccls. or	USPAT;	2003/11/19 17:02
		382/\$.ccls.)	US-PGPUB	
-	4	gradient with neighborhood with variable and (345/\$.ccls. or	USPAT;	2003/11/19 17:03
		382/\$.ccls.)	US-PGPUB	
-	109	gradient with neighborhood and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/19 17:12
			US-PGPUB	
-	4	gradient with neighborhood with scale and (345/\$.ccls. or	USPAT;	2003/11/19 17:04
		382/\$.ccls.)	US-PGPUB	
-	6	gradient and (determine with neighborhood with size) and	USPAT;	2003/11/19 17:04
		(345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	0	gradient with "neighborhood size" and (345/\$.ccls. or	USPAT;	2003/11/20 15:48
}		382/\$.ccls.)	US-PGPUB	2002/44/40 47 42
-	78	"neighborhood size" and (345/\$.ccls. or 382/\$.ccls.)	USPAT; US-PGPUB	2003/11/19 17:13
	2	"6332034"	USPAT;	2003/11/20 12:53
-		0332034	US-PGPUB	2003/11/20 12.55
_	1	6332034.URPN.	USPAT	2003/11/20 10:05
	8	("4787906"   "5463698"   "5572565"   "5574799"	USPAT	2003/11/20 10:38
		"5647018"   "5825909"   "5995668"   "6081617").PN.	001711	2005/11/20 10:50
	585	gradient and ((edge or boundary or contour) adj detection)	USPAT;	2003/11/20 13:35
		and (345/\$.ccls. or 382/\$.ccls.)	US-PGPUB	
-	220	gradient and heuristic and (345/\$.ccls. or 382/\$.ccls.)	USPAT;	2003/11/20 15:07
		, , , , , , , , , , , , , , , , , , , ,	US-PGPUB	
-	39	gradient and heuristic and curvature and (345/\$.ccls. or	USPAT;	2003/11/20 15:08
		382/\$.ccls.)	US-PGPUB	
-	180	curvature and (edge or boundary or contour) adj detection	USPAT;	2003/11/20 15:54
		and (345/\$.ccls. or 382/\$.ccls.) and @ad<=20020114	US-PGPUB	